GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: November 25, 2000, 04:35:30 ; Search time 84.1 Seconds
(without alignments)
847.024 Million cell updates/sec

Title: US-09-373-230-1
Perfect score: 471
Sequence: 1 AACTTTGGCCGACTTCACTG.....TCACTAACTTACATCAAAGT 471

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 262060 seqs, 75620727 residues

Total number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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	2	470.6	99.9	471	4	US-08-908-005A-1	Sequence 1, Appli
	3	247.4	52.5	579	3	US-08-896-605A-7	Sequence 7, Appli
	4	247.4	52.5	579	3	US-08-896-501A-5	Sequence 5, Appli
	5	247.4	52.5	1120	5	US-08-884-324-2	Sequence 2, Appli
	6	127.8	27.1	11464	5	US-08-884-324-13	Sequence 13, Appl
	7	127.8	27.1	28994	5	US-08-884-324-14	Sequence 14, Appl
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	35	29.6	6.3	26700	3	US-08-488-199-5	Sequence 5, Appli
	36	29.6	6.3	26700	5	US-08-760-534A-1	Sequence 1, Appli
	37	29.2	6.2	1600	5	US-09-028-819-14	Sequence 14, Appl
	38	29.2	6.2	5033	1	US-08-038-768A-1	Sequence 1, Appli
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ALIGNMENTS

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RESULT   1
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; Sequence 1, Application US/08502535B
; Patent No. 5912324
;  GENERAL INFORMATION:
;    APPLICANT:  OKAMURA, Haruki
;    APPLICANT:  TANIMOTO, Tadao
;    APPLICANT:  TORIGOE, Kakuji
;    APPLICANT:  KUNIKATA, Toshio
;    APPLICANT:  TANIGUCHI, Mutsuko
;    APPLICANT:  KOHNO, Keizo
;    APPLICANT:  KURIMOTO, Masashi
;    TITLE OF INVENTION:  IFN-BETA PRODUCTION INDUCING PROTEIN AND
;    TITLE OF INVENTION:  MONOCLONAL ANTIBODY OF THE SAME
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/502,535B
;      FILING DATE:  14-JUL-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 184162/1994
;      FILING DATE:  14-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 45057/1995
;      FILING DATE:  10-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKAMURA=2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  471 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..471
;      OTHER INFORMATION:  /note= Xaa in position 70 is Met or Thr
US-08-502-535B-1


  Query Match             99.9%;  Score 470.6;  DB 4;  Length 471;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-132;
  Matches  471;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy    241 TCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATATTC 300
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Qy    301 TTTCAGAAACGTGTTCCAGGACACAACAAGATGGAGTTTGAATCTTCACTGTATGAAGGA 360
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RESULT   2
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; Sequence 1, Application US/08908005A
; Patent No. 5914253
;  GENERAL INFORMATION:
;    APPLICANT:  OKAMURA, Haruki
;    APPLICANT:  TANIMOTO, Tadao
;    APPLICANT:  TORIGOE, Kakuji
;    APPLICANT:  KUNIKATA, Toshio
;    APPLICANT:  TANIGUCHI, Mutsuko
;    APPLICANT:  KOHNO, Keizo
;    APPLICANT:  KURIMOTO, Masashi
;    TITLE OF INVENTION:  IFN-BETA PRODUCTION INDUCING PROTEIN AND
;    TITLE OF INVENTION:  MONOCLONAL ANTIBODY OF THE SAME
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/908,005A
;      FILING DATE:  11-AUG-1997
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/502,535
;      FILING DATE:  14-JUL-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 184162/1994
;      FILING DATE:  14-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 45057/1995
;      FILING DATE:  10-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKAMURA=2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  471 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..471
;      OTHER INFORMATION:  /note= Xaa in position 70 is Met or Thr
US-08-908-005A-1


  Query Match             99.9%;  Score 470.6;  DB 4;  Length 471;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-132;
  Matches  471;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 AACTTTGGCCGACTTCACTGTACAACCGCAGTAATACGGAATATAAATGACCAAGTTCTC 60
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Db      1 AACTTTGGCCGACTTCACTGTACAACCGCAGTAATACGGAATATAAATGACCAAGTTCTC 60

Qy     61 TTCGTTGACAAAAGACAGCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTGCCAGT 120
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Db     61 TTCGTTGACAAAAGACAGCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTGCCAGT 120

Qy    121 GAACCCCAGACCAGACTGATAATATACATGTACAAAGACAGTGAAGTAAGAGGACTGGCT 180
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Qy    181 GTGACCCTCTCTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATCATT 240
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Db    241 TCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATATTC 300

Qy    301 TTTCAGAAACGTGTTCCAGGACACAACAAGATGGAGTTTGAATCTTCACTGTATGAAGGA 360
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Qy    361 CACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAAAGGAT 420
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Db    361 CACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAAAGGAT 420

Qy    421 GAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACATCAAAGT 471
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RESULT   3
US-08-896-605A-7
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; Sequence 7, Application US/08896605A
; Patent No. 5879942
; GENERAL INFORMATION:
;   APPLICANT:  TANIMOTO, Tadao
;   APPLICANT:  KURIMOTO, Masashi
;   TITLE OF INVENTION:  PROCESSING ENZYME FOR POLYPEPTIDE
;   NUMBER OF SEQUENCES:  9
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  BROWDY AND NEIMARK
;     STREET:  419 Seventh Street, N.W., Suite 300
;     CITY:  Washington
;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  20004
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  Patent In Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/896,605A
;     FILING DATE:  18 July 1997
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  JP 207,691/1996
;     FILING DATE:  19-JUL-1996
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  JP 156,062/1997
;     FILING DATE:  30-MAY-1997
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  BROWDY, Roger L.
;     REGISTRATION NUMBER:  25,618
;     REFERENCE/DOCKET NUMBER:  TANIMOTO=2
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  202-628-5197
;     TELEFAX:  202-737-3528
; INFORMATION FOR SEQ ID NO:  7:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  579 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA to mRNA
;   FEATURE:
;     NAME/KEY:  leader peptide
;     LOCATION:  1..108
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;     IDENTIFICATION METHOD:  S
US-08-896-605A-7


  Query Match           52.5%;  Score 247.4;  DB 3;  Length 579;
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  Matches  343;  Conservative    2;  Mismatches  118;  Indels    6;  Gaps    2;

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Qy    179 CTGTGACCCTCTCTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATCA 238
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Qy    239 TTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATAT 298
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Db    410 TCTTTCAGAGAAGTGTCCCAGGACATGATAATAAGATGCAATTTGAATCTTCATCATACG 469

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Db    470 AAGGATACTTTCTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACTCATTTTGAAAAAAG 529

Qy    416 AGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
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Db    530 AGGATGAATTGGGGGATAGATCTATAATGTTCACTGTTCAAAACGAAGA 578


RESULT   4
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; Sequence 5, Application US/08896501A
; Patent No. 5891663
; GENERAL INFORMATION:
;   APPLICANT:  TANIMOTO, Tadao
;   APPLICANT:  KURIMOTO, Masashi
;   TITLE OF INVENTION:  PROCESS FOR PRODUCING POLYPEPTIDE
;   NUMBER OF SEQUENCES:  9
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  BROWDY AND NEIMARK
;     STREET:  419 Seventh Street, N.W., Suite 300
;     CITY:  Washington
;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  20004
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  Patent In Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/896,501A
;     FILING DATE:  18-JUL-1997
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  JP 213,267/1996
;     FILING DATE:  25-JUL-1996
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  JP 31,474/1997
;     FILING DATE:  31-JAN-1997
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  BROWDY, Roger L.
;     REGISTRATION NUMBER:  25,618
;     REFERENCE/DOCKET NUMBER:  TANIMOTO=3
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  202-628-5197
;     TELEFAX:  202-737-3528
; INFORMATION FOR SEQ ID NO:  5:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  579 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA to mRNA
;   FEATURE:
;     NAME/KEY:  leader peptide
;     LOCATION:  1..108
;     IDENTIFICATION METHOD:  S
;     NAME/KEY:  mat peptide
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;     IDENTIFICATION METHOD:  S
US-08-896-501A-5


  Query Match           52.5%;  Score 247.4;  DB 3;  Length 579;
  Best Local Similarity  73.1%;  Pred. No. 2.4e-65;
  Matches  343;  Conservative    2;  Mismatches  118;  Indels    6;  Gaps    2;
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Db    110 ACTTTGGCAAGCTTGAATCTAAATTATCAGTCATAAGAAATTTGAATGACCAAGTTCTCT 169

Qy     62 TCGTTGACAAAAGACA---GCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTGCCA 118
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Db    170 TCATTGACCAAGGAAATCGGCCTCTATTTGAAGATATGACTGATTCTGACTGTAGAGATA 229

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Qy    179 CTGTGACCCTCTCTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATCA 238
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Db    290 CTGTAACTATCTCTGTGAAGTGTGAGAAAATTTCAAYTCTCTCCTGTGAGAACAAAATTA 349

Qy    239 TTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATAT 298
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Db    350 TTTCCTTTAAGGAAATGAATCCTCCTGATAACATCAAGGATACAAAAAGTGACATCATAT 409

Qy    299 TCTTTCAGAAACGTGTTCCAGGAC---ACAACAAGATGGAGTTTGAATCTTCACTGTATG 355
          ||||||||| | |||| |||||||   | || |||||| | ||||||||||||   || |
Db    410 TCTTTCAGAGAAGTGTCCCAGGACATGATAATAAGATGCAATTTGAATCTTCATCATACG 469

Qy    356 AAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAA 415
          ||||| |||||||  |||||  |||| ||    ||   ||| |||||||||  ||||||||
Db    470 AAGGATACTTTCTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACTCATTTTGAAAAAAG 529

Qy    416 AGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
          ||||||||   ||||||| |||| ||||||||||| |    |||  | |
Db    530 AGGATGAATTGGGGGATAGATCTATAATGTTCACTGTTCAAAACGAAGA 578


RESULT   5
US-08-884-324-2
; Sequence 2, Application US/08884324
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1120 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  liver
;    FEATURE:
;      NAME/KEY:  5'UTR
;      LOCATION:  1..177
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  178..285
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  mat peptide
;      LOCATION:  286..756
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  3'UTR
;      LOCATION:  757..1120
;      IDENTIFICATION METHOD:  E
US-08-884-324-2


  Query Match           52.5%;  Score 247.4;  DB 5;  Length 1120;
  Best Local Similarity  73.1%;  Pred. No. 3.2e-65;
  Matches  343;  Conservative    2;  Mismatches  118;  Indels    6;  Gaps    2;

Qy      2 ACTTTGGCCGACTTCACTGTACAACCGCAGTAATACGGAATATAAATGACCAAGTTCTCT 61
          ||||||||   ||| | | || |    |||| ||| | ||| | ||||||||||||||||
Db    287 ACTTTGGCAAGCTTGAATCTAAATTATCAGTCATAAGAAATTTGAATGACCAAGTTCTCT 346

Qy     62 TCGTTGACAAAAGACA---GCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTGCCA 118
          || ||||| || || |   |||| | || || ||||||||||||  |||    || |  |
Db    347 TCATTGACCAAGGAAATCGGCCTCTATTTGAAGATATGACTGATTCTGACTGTAGAGATA 406

Qy    119 GTGAACCCCAGACCAGACTGATAATATACATGTACAAAGACAGTGAAGTAAGAGGACTGG 178
           || ||||| ||||| | | || |||   ||||| ||||| ||  |    |||||  |||
Db    407 ATGCACCCCGGACCATATTTATTATAAGTATGTATAAAGATAGCCAGCCTAGAGGTATGG 466

Qy    179 CTGTGACCCTCTCTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATCA 238
          |||| ||  ||||||||||  |   ||||: || |: |||||||| ||||||| || |
Db    467 CTGTAACTATCTCTGTGAAGTGTGAGAAAATTTCAAYTCTCTCCTGTGAGAACAAAATTA 526

Qy    239 TTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATAT 298
          ||||||||  |||||||| |||| ||||| || ||  | |||| | |||||||  ||||||
Db    527 TTTCCTTTAAGGAAATGAATCCTCCTGATAACATCAAGGATACAAAAAGTGACATCATAT 586

Qy    299 TCTTTCAGAAACGTGTTCCAGGAC---ACAACAAGATGGAGTTTGAATCTTCACTGTATG 355
          ||||||||| | |||| |||||||   | || |||||| | ||||||||||||   || |
Db    587 TCTTTCAGAGAAGTGTCCCAGGACATGATAATAAGATGCAATTTGAATCTTCATCATACG 646

Qy    356 AAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAA 415
          ||||| |||||||  |||||  |||| ||    ||   ||| |||||||||  ||||||||
Db    647 AAGGATACTTTCTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACTCATTTTGAAAAAAG 706

Qy    416 AGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
          ||||||||   ||||||| |||| ||||||||||| |    |||  | |
Db    707 AGGATGAATTGGGGGATAGATCTATAATGTTCACTGTTCAAAACGAAGA 755


RESULT   6
US-08-884-324-13
; Sequence 13, Application US/08884324
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
```

```
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  11464 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  placenta
;    FEATURE:
;      NAME/KEY:  5'UTR
;      LOCATION:  1..3
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  4..82
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  83..1453
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  1454..1465
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  1466..4848
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  4849..4865
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  mat peptide
;      LOCATION:  4866..4983
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  4984..6317
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  mat peptide
;      LOCATION:  6318..6451
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  6452..11224
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  mat peptide
;      LOCATION:  11225..11443
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  3'UTR
;      LOCATION:  11444..11464
;      IDENTIFICATION METHOD:  E
US-08-884-324-13


  Query Match             27.1%;  Score 127.8;  DB 5;  Length 11464;
  Best Local Similarity   73.3%;  Pred. No. 6.7e-29;
  Matches  178;  Conservative    0;  Mismatches   62;  Indels    3;  Gaps    1;

Qy     225 TAAGAACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACA 284
           | ||   | | |  ||||  |  |||||||| |||| ||||| || ||  | |||| | |
Db   11200 TTAGGTAATGTTTTTTTCTCTATAGGAAATGAATCCTCCTGATAACATCAAGGATACAAA 11259

Qy     285 AAGTGATCTCATATTCTTTCAGAAACGTGTTCCAGGAC---ACAACAAGATGGAGTTTGA 341
           ||||||  |||||||||||||||| | |||| |||||||   | || |||||| | |||||
Db   11260 AAGTGACATCATATTCTTTCAGAGAAGTGTCCCAGGACATGATAATAAGATGCAATTTGA 11319

Qy     342 ATCTTCACTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACT 401
           |||||||   || |||||| ||||||| ||||| |||| ||    ||   ||| |||||
Db   11320 ATCTTCATCATACGAAGGATACTTTCTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACT 11379

Qy     402 CATTCTGAAAAAAAAGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTT 461
           |||| |||||||| ||||||||   ||||||| |||| ||||||||||| |    |||
Db   11380 CATTTTGAAAAAAGAGGATGAATTGGGGGATAGATCTATAATGTTCACTGTTCAAAACGA 11439

Qy     462 ACA 464
           | |
Db   11440 AGA 11442


RESULT   7
US-08-884-324-14
; Sequence 14, Application US/08884324
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28994 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
```

```
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  placenta
;    FEATURE:
;      NAME/KEY:  5'UTR
;      LOCATION:  1..15606
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  15607..15685
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  15686..17056
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  17057..17068
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  17069..20451
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  leader peptide
;      LOCATION:  20452..20468
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  mat peptide
;      LOCATION:  20469..20586
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  20587..21920
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  mat peptide
;      LOCATION:  21921..22054
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  intron
;      LOCATION:  22055..26827
;      IDENTIFICATION METHOD:  E
;      NAME/KEY:  mat peptide
;      LOCATION:  26828..27046
;      IDENTIFICATION METHOD:  S
;      NAME/KEY:  3'UTR
;      LOCATION:  27047..28994
;      IDENTIFICATION METHOD:  E
US-08-884-324-14


  Query Match             27.1%;  Score 127.8;  DB 5;  Length 28994;
  Best Local Similarity   73.3%;  Pred. No. 1e-28;
  Matches  178;  Conservative    0;  Mismatches   62;  Indels    3;  Gaps    1;

Qy    225 TAAGAACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACA 284
          | ||   | | |  ||||  |  |||||||| |||| ||||| || ||  | |||| | |
Db  26803 TTAGGTAATGTTTTTTTCTCTATAGGAAATGAATCCTCCTGATAACATCAAGGATACAAA 26862

Qy    285 AAGTGATCTCATATTCTTTCAGAAACGTGTTCCAGGAC---ACAACAAGATGGAGTTTGA 341
          ||||||  |||||||||||||| | |||| |||||||    | || |||||| | |||||
Db  26863 AAGTGACATCATATTCTTTCAGAGAAGTGTCCCAGGACATGATAATAAGATGCAATTTGA 26922

Qy    342 ATCTTCACTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACT 401
          |||||||   || |||||| ||||||| |||||  |||| ||    ||   ||| |||||
Db  26923 ATCTTCATCATACGAAGGATACTTTCTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACT 26982

Qy    402 CATTCTGAAAAAAAAGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTT 461
          |||| |||||||| ||||||||   ||||||| |||| ||||||||||| |    |||
Db  26983 CATTTTGAAAAAAGAGGATGAATTGGGGGATAGATCTATAATGTTCACTGTTCAAAACGA 27042

Qy    462 ACA 464
          | |
Db  27043 AGA 27045


RESULT   8
US-08-884-324-7
; Sequence 7, Application US/08884324
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2167 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  placenta
;    FEATURE:
;      NAME/KEY:  exon + 3'UTR
;      LOCATION:  1..2167
;      IDENTIFICATION METHOD:  E
US-08-884-324-7


  Query Match             25.9%;  Score 122;  DB 5;  Length 2167;
  Best Local Similarity   75.7%;  Pred. No. 1.8e-27;
  Matches  165;  Conservative    0;  Mismatches   50;  Indels    3;  Gaps    1;

Qy    250 GAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATATTCTTTCAGAAA 309
          |||||| |||| ||||| || ||  | |||| | |||||||  |||||||||||||| |
Db      1 GAAATGAATCCTCCTGATAACATCAAGGATACAAAAAGTGACATCATATTCTTTCAGAGA 60

Qy    310 CGTGTTCCAGGAC---ACAACAAGATGGAGTTTGAATCTTCACTGTATGAAGGACACTTT 366
          |||| |||||||    | || |||||| | ||||||||||||    || |||||| |||||
Db     61 AGTGTCCCAGGACATGATAATAAGATGCAATTTGAATCTTCATCATACGAAGGATACTTT 120

Qy    367 CTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAAAGGATGAAAAT 426
          || |||||  |||| ||    ||   ||| ||||||||| |||||||| ||||||||
Db    121 CTAGCTTGTGAAAAAGAGAGAGACCTTTTTAAACTCATTTTGAAAAAAGAGGATGAATTG 180

Qy    427 GGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
          ||||||| |||| ||||||||||| |    |||  | |
Db    181 GGGGATAGATCTATAATGTTCACTGTTCAAAACGAAGA 218


RESULT   9
US-08-884-324-4
; Sequence 4, Application US/08884324
```

```
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  134 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  placenta
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  1..134
;      IDENTIFICATION METHOD:  S
US-08-884-324-4


  Query Match             16.1%;  Score 75.6;  DB 5;  Length 134;
  Best Local Similarity   72.7%;  Pred. No. 4.5e-14;
  Matches   96;  Conservative    1;  Mismatches   35;  Indels    0;  Gaps    0;

Qy     118 AGTGAACCCCAGACCAGACTGATAATATACATGTACAAAGACAGTGAAGTAAGAGGACTG 177
           | || ||||| ||||| | | || |||   ||||| ||||| ||  |    |||||  ||
Db       3 AATGCACCCCGGACCATATTTATTATAAGTATGTATAAAGATAGCCAGCCTAGAGGTATG 62

Qy     178 GCTGTGACCCTCTCTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATC 237
           ||||| ||  ||||||||||  |   ||||: || || ||||||||| ||||||| ||
Db      63 GCTGTAACTATCTCTGTGAAGTGTGAGAAAATTTCAACTCTCTCCTGTGAGAACAAAATT 122

Qy     238 ATTTCCTTTGAG 249
           ||||||||| ||
Db     123 ATTTCCTTTAAG 134


RESULT  10
US-08-884-324-3
; Sequence 3, Application US/08884324
; Patent No. 6060283
;  GENERAL INFORMATION:
;    APPLICANT:  Takanori OKURA
;    APPLICANT:  Kakuji TORIGOE
;    APPLICANT:  Masahi KURIMOTO
;    TITLE OF INVENTION:  GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
;    TITLE OF INVENTION:  OF INDUCING THE PRODUCTION OF INTERFERON-
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patent In Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,324
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 185,305/96
;      FILING DATE:  27-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  OKURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  135 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;      TISSUE TYPE:  placenta
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  1..135
;      IDENTIFICATION METHOD:  S
US-08-884-324-3


  Query Match             10.9%;  Score 51.4;  DB 5;  Length 135;
  Best Local Similarity   70.9%;  Pred. No. 8.2e-07;
  Matches   83;  Conservative    0;  Mismatches   31;  Indels    3;  Gaps    1;

Qy       2 ACTTTGGCCGACTTCACTGTACAACCGCAGTAATACGGAATATAAATGACCAAGTTCTCT 61
           ||||||||   ||| | | || |    |||| ||| | ||| | ||||||||||||||||
Db      19 ACTTTGGCAAGCTTGAATCTAAATTATCAGTCATAAGAAATTTGAATGACCAAGTTCTCT 78

Qy      62 TCGTTGACAAAAGACA---GCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTG 115
           || ||||| || || |   |||| | || || ||||||||||||  |||    || |
Db      79 TCATTGACCAAGGAAATCGGCCTCTATTTGAAGATATGACTGATTCTGACTGTAGAG 135


RESULT  11
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
```

```
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-Fls
US-08-232-463-14


  Query Match             8.2%;  Score 38.4;  DB 1;  Length 7218;
  Best Local Similarity   8.1%;  Pred. No. 0.036;
  Matches   36;  Conservative  207;  Mismatches  203;  Indels    0;  Gaps    0;

Qy      11 GACTTCACTGTACAACCGCAGTAATACGGAATATAAATGACCAAGTTCTCTTCGTTGACA 70
           | | ||||||||    |  |   || |      | || ||   ||     || | |   :
Db    1492 GGCATCACTGTAATTACCTATCTATGCAAGTAGTTAAAGAGATAGAAGAATTTGGTACRR 1433

Qy      71 AAAGACAGCCTGTGTTCGAGGATATGACTGATATTGATCAAAGTGCCAGTGAACCCCAGA 130
           ::::: ::   : :   ::::: : ::  :: :  ::  :::: :  :: :::    :::
Db    1432 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1373

Qy     131 CCAGACTGATAATATACATGTACAAAGACAGTGAAGTAAGAGGACTGGCTGTGACCCTCT 190
             :::  :: :: : : : : : ::::: :: :::: ::::::  ::  : ::
Db    1372 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1313

Qy     191 CTGTGAAGGATAGTAAAAYGTCTACCCTCTCCTGTAAGAACAAGATCATTTCCTTTGAGG 250
           : :::::: :: :::: :   :          : ::::: :::  :        ::::
Db    1312 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1253

Qy     251 AAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATATTCTTTCAGAAAC 310
           ::: :::   :   ::::: :  :: :: : : :::: ::    : :          :::::
Db    1252 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1193

Qy     311 GTGTTCCAGGACACAACAAGATGGAGTTTGAATCTTCACTGTATGAAGGACACTTTCTTG 370
           : :    :::: : :: :::: ::::   :::     :  : : :::::: :       :
Db    1192 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1133

Qy     371 CTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTGAAAAAAAAGGATGAAAATGGGG 430
             :  :::::::::: :: :     :::   :    :::::::::::: ::::: ::::
Db    1132 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1073

Qy     431 ATAAATCTGTAATGTTCACTCTCACT 456
           : :::  |   | | || |||   ||
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Db    1072 RRRRRRATCGCAAGCTCCCTCGACCT 1047


RESULT  12
US-08-488-706-2
; Sequence 2, Application US/08488706
; Patent No. 5994525
;  GENERAL INFORMATION:
;    APPLICANT:  Kamp, Elbarte M.
;    APPLICANT:  Smits, Marinus A.
;    TITLE OF INVENTION:  Recombinant Vaccine For Prevention and/or
;    TITLE OF INVENTION:  Treatment of Pleuropneumonia Infections
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abelman, Frayne & Schwab
;      STREET:  708 Third Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch; 1.44 MB storage
;      COMPUTER:  IBM PC or compatible
;      OPERATING SYSTEM:  DOS 3.31
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/488,706
;      FILING DATE:  09-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/722,971
;      FILING DATE:  28-JUNE-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cinamon, Jay S.
;      REGISTRATION NUMBER:  24,156
;      REFERENCE/DOCKET NUMBER:  201,875
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-949-9022
;      TELEFAX:  212-949-9190
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4731
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-488-706-2


  Query Match             7.8%;  Score 36.8;  DB 4;  Length 4731;
  Best Local Similarity   47.4%;  Pred. No. 0.091;
  Matches  110;  Conservative    0;  Mismatches  122;  Indels    0;  Gaps    0;

Qy     211 TCTACCCTCTCCTGTAAGAACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAAT 270
           |||| |||  |    ||||    |   |  || | |    ||| |||   |    || |
Db     591 TCTATCCTAGCAAAAAAGATACTGGAAAAATCATATATTTAAAAGGAGGAAAAATAACAA 650

Qy     271 ATTGATGATATACAAAGTGATCTCATATTCTTTCAGAAACGTGTTCCAGGACACAACAAG 330
           |   |  |  |  ||||  || || |      |    ||  ||      |   | | ||||
Db     651 AAAAAGTAGCTGAAAAGACATTTCTTCAGTATGAGCAAGAGTTAATAACAGCTCTACAAT 710

Qy     331 ATGGAGTTTGAATCTTCACTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGAT 390
           |     ||| |||  ||| |     || |     |  ||  |  | ||||  |   ||
Db     711 AATATCTTTAAATGATCAATTATATAAAGGAGACTCTTTTATGTCAAAAATCACTTTGTC 770

Qy     391 GCTTTCAAACTCATTCTGAAAAAAAAGGATGAAAATGGGGATAAATCTGTAA 442
               | ||| || | || | || || | ||||||  |||| |||   || |
Db     771 ATCATTAAAATCGTCCTTACAACAAGGATTGAAAAATGGGAAAAACAAGTTA 822


RESULT  13
US-08-772-270A-9
; Sequence 9, Application US/08772270A
; Patent No. 6019984
```

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;  GENERAL INFORMATION:
;    APPLICANT:  MacInnes, Janet
;    APPLICANT:  Ricciatti, Paul
;    APPLICANT:  Mallard, Bonnie
;    APPLICANT:  Rosendal, Soren
;    TITLE OF INVENTION:  NOVEL BACTERIAL PREPARATIONS, METHOD FOR
;    TITLE OF INVENTION:  PRODUCING SAME, AND THEIR USE AS VACCINES
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bereskin & Parr
;      STREET:  40 King Street West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5H 3Y2
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/772,270A
;      FILING DATE:  December 23, 1996
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gravelle, Micheline
;      REGISTRATION NUMBER:  40,261
;      REFERENCE/DOCKET NUMBER:  6580-81
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 364-7311
;      TELEFAX:  (416) 361-1398
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4731 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ORIGINAL SOURCE:
;      ORGANISM:  Actinobacillus pleuropneumoniae
US-08-772-270A-9


  Query Match             7.8%;  Score 36.8;  DB 5;  Length 4731;
  Best Local Similarity   47.4%;  Pred. No. 0.091;
  Matches  110;  Conservative    0;  Mismatches  122;  Indels    0;  Gaps    0;

Qy     211 TCTACCCTCTCCTGTAAGAACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAAT 270
           |||| |||  |    ||||    |   |  || | |    ||| |||   |    || |
Db     591 TCTATCCTAGCAAAAAAGATACTGGAAAAATCATATATTTAAAAGGAGGAAAAATAACAA 650

Qy     271 ATTGATGATATACAAAGTGATCTCATATTCTTTCAGAAACGTGTTCCAGGACACAACAAG 330
           |   |  |  |  ||||  || || |      |    ||  ||      |   | | ||||
Db     651 AAAAAGTAGCTGAAAAGACATTTCTTCAGTATGAGCAAGAGTTAATAACAGCTCTACAAT 710

Qy     331 ATGGAGTTTGAATCTTCACTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGAT 390
           |     ||| |||  ||| |     || |     |  ||  |  | ||||  |   ||
Db     711 AATATCTTTAAATGATCAATTATATAAAGGAGACTCTTTTATGTCAAAAATCACTTTGTC 770

Qy     391 GCTTTCAAACTCATTCTGAAAAAAAAGGATGAAAATGGGGATAAATCTGTAA 442
           | ||| || | || | || || |  ||||||  |||| |||   || |
Db     771 ATCATTAAAATCGTCCTTACAACAAGGATTGAAAAATGGGAAAAACAAGTTA 822


RESULT  14
US-08-135-511-35/c
; Sequence 35, Application US/08135511
; Patent No. 5558999
;  GENERAL INFORMATION:
;    APPLICANT:  Chiang, John
;    TITLE OF INVENTION:  Cholesterol 7a-Hydroxylase Gene
;    TITLE OF INVENTION:  Regulatory Elements and Methods for Using Them
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/135,511
;      FILING DATE:  13-OCT-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDERCOCK, Colin G.
;      REGISTRATION NUMBER:  31,298
;      REFERENCE/DOCKET NUMBER:  18748/175
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10614 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-135-511-35


  Query Match             7.3%;  Score 34.4;  DB 1;  Length 10614;
  Best Local Similarity   46.6%;  Pred. No. 0.68;
  Matches  110;  Conservative    0;  Mismatches  126;  Indels    0;  Gaps    0;

Qy     229 AACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGT 288
           |||   |  |   ||||||||   |||  | |     | | | ||||   | |  |||
Db   10250 AACCTTACGAAGACCTTTGAGTGCATGATTACTTTGAATATTTTTGAGTTTCTTGAAACA 10191

Qy     289 GATCTCATATTCTTTCAGAAACGTGTTCCAGGACACAACAAGATGGAGTTTGAATCTTCA 348
           |||  |||   ||     ||| | |    |||   |  || ||    ||| ||   | |
Db   10190 AATCAGATAAAATTATTTTAACTTATCAGTGGATGAATAAACATTCTATTTCAAAGGTTA 10131

Qy     349 CTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTG 408
             | |  || |   | | ||  || |  ||||| || | ||  |          | |
Db   10130 AAGCACAAATGTTCTTATTTTCATTTCTGAAAGGTAGGTAATTTTAAAGTTACTGGTTTT 10071

Qy     409 AAAAAAAAGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
           |||| |     | | | | |   || |     || | | | | | | | || || |
Db   10070 AAAATATTTACTTATATTTGTAGTATAAGATAAAAGATAAATATAATTTACATATA 10015


RESULT  15
US-08-187-453-35/c
; Sequence 35, Application US/08187453
; Patent No. 5753431
;  GENERAL INFORMATION:
;    APPLICANT:  Chiang, John
;    TITLE OF INVENTION:  Cholesterol 7a-Hydroxylase Gene
;    TITLE OF INVENTION:  Regulatory Elements and Transcription Factors
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

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;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/187,453
;       FILING DATE:  28-JAN-1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/135,488
;       FILING DATE:  13-OCT-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/135,511
;       FILING DATE:  13-OCT-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/135,510
;       FILING DATE:  13-OCT-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  SANDERCOCK, Colin G.
;       REGISTRATION NUMBER:  31,298
;       REFERENCE/DOCKET NUMBER:  18748/188
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  35:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10614 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-187-453-35


  Query Match             7.3%;  Score 34.4;  DB 2;  Length 10614;
  Best Local Similarity   46.6%;  Pred. No. 0.68;
  Matches  110;  Conservative    0;  Mismatches  126;  Indels    0;  Gaps    0;

Qy     229 AACAAGATCATTTCCTTTGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGT 288
           |||   |  |   ||||||||   |||  | |     | | | ||||   | |  |||
Db   10250 AACCTTACGAAGACCTTTGAGTGCATGATTACTTTGAATATTTTTGAGTTTCTTGAAACA 10191

Qy     289 GATCTCATATTCTTTCAGAAACGTGTTCCAGGACACAACAAGATGGAGTTTGAATCTTCA 348
           |||  |||   ||     ||| | |    |||   |  || ||    ||| ||   | |
Db   10190 AATCAGATAAAATTATTTTAACTTATCAGTGGATGAATAAACATTCTATTTCAAAGGTTA 10131

Qy     349 CTGTATGAAGGACACTTTCTTGCTTGCCAAAAGGAAGATGATGCTTTCAAACTCATTCTG 408
             | |  || |    | | ||  || |  ||||| || | ||  |          | |
Db   10130 AAGCACAAATGTTCTTATTTTCATTTCTGAAAGGTAGGTAATTTTAAAGTTACTGGTTTT 10071

Qy     409 AAAAAAAAGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCACTAACTTACA 464
           |||| |     | | | | |   || |     || | | | | | | | || || |
Db   10070 AAAATATTTACTTATATTTGTAGTATAAGATAAAAGATAAATATAATTTACATATA 10015


Search completed: November 25, 2000, 05:12:50
Job time: 2240 sec
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